DOCUMENT RESUME

ED 304 279 SE 050 192

TITLE	Teacher's Resource Book for Balloons and Gases. Grade 6. Revised. Anchorage School District Elementary Science Program.
INSTITUTION	Anchorage School District, AK.
REPORT NO	SK-601
PUB DATE	84
NOTE	32p.; For other "science kits" in this program, see SE 050 189-215.
AVAILABLE FROM	Anchorage School District, 4600 DeBarr Avenue, P.O. Box 196614, Anchorage, AK 99519-6614 ($5.00).
PUB TYPE	Guides - Classroom Use - Guides (For Teachers) (052)
EDRS PRICE	Document Not Available from EDRS.
DESCRIPTORS	*Chemical Nomenclature; *Chemical Reactions; Chemistry; Curriculum Guides; *Elementary School Science; Environmental Education; *Grade 6; Instructional Materials; Reference Materials; Resource Materials; Resource Units; Science Instruction; Teaching Guides; Teaching Methods
IDENTIFIERS	*Balloons; *Gases

ABSTRACT

This resource book introduces sixth-grade children to the physical and chemical properties of gases. The unit begins with an investigation of acids and bases. Students then generate carbon dioxide, oxygen, and hydrogen, and investigate the properties of each. The unit culminates with an activity involving an unknown gas. Students conduct tests to determine the identity of the unknown gas by observing its properties and comparing them with the properties of known gases generated earlier. The lessons include investigations into the following concepts: (1) acids and bases; (2) neutralization; (3) flame tests; and (4) using limewater to test for carbon dioxide, and studying carbon dioxide, oxygen, and hydrogen. Each lesson includes objectives, materials needed, materials to be prepared, student procedures, and a worksheet. Reference materials include a listing of materials needed, supplementary audiovisual materials, a listing of correlated texts, vocabulary, an overview of unit objectives, safety precautions, and instructions for preparing solutions. A unit evaluation is also provided. (MVL)

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